

Kerry V. Magruder

Curator, History of Science Collections
 The John H. and Drusa B. Cable Chair
 University of Oklahoma Libraries
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Research and Creative Achievement

Cluster areas:

Cluster areas reflect strategic, long-term project areas, each with multiple outcomes. The cluster areas are coordinated and complementary in nature. Each involves a synergy between traditional print publication and the digital humanities. Each expresses a facet of my general professional interests and dovetails with my curatorial goals.

1. History of science and theology
2. Science Education, Education, and the History of science
3. History of geology (and Theories of the Earth)
4. History of science and visual representation
5. Exhibitions and the History of science

Ongoing projects or publications in progress:

- Editor, [Edition Open Sources](#) (EOS). EOS is a peer-reviewed, scholarly publishing series in both digital and physical formats. Digital-format publications in EOS are free and immediately accessible to the public worldwide under a creative commons license. Development of the platform is conducted by the Max Planck Institute for the History of Science in Berlin (MPI). The project now continues as a collaborative venture between MPI and the OU Department of the History of Science and the OU History of Science Collections.

- “Early Geology and Contingent Order: The Significance of T. F. Torrance for the History of Science.” Torrance was one of the most important English-language theologians of the 20th century. He was also a noted philosopher of science, and a friend and literary executor of Michael Polanyi, who made important contributions to intellectual history. In this paper, I assess the significance of Torrance’s work for the history of geology as part of a larger project to assess his significance for the history of science and theology more widely considered.

- Kerry Magruder, Brent Purkaple, Gary Deddo, eds., T. F. Torrance Bibliography Project, The T. F. Torrance Theological Fellowship, 2017 and ongoing; tftorrance.org.

- “Early 19th-century Geology and the Scottish Common Sense Tradition.” (In progress.)

- Kerry Magruder and Brent Purkaple, eds., “The Sky Tonight: Cultural Archaeology and Geography of the Stars” (skytonight.org; forthcoming 2018). The ancients believed that, when they gazed into the heavens, they were peering through many layers of swiftly turning spheres. In the same way, today we gaze at the night sky filtered through many layers of cultural heritage and representation. The stars have a living history which shapes how we experience the sky tonight. A cultural archaeology of the night sky seeks to unearth how the interpretation of any constellation has changed over time. It is inseparable from a cultural geography of the night sky that seeks to trace how the interpretation of a star pattern has varied around the world. This digital humanities

project will illustrate the cultural archaeology and geography of the stars and its significance for modern appreciation of the night sky ([more](#)).

- Kerry Magruder and Brent Purkape, eds., “Lynx Open Ed” project (lynx-open-ed.org, 2015-ongoing). This digital humanities project focuses on the creation and distribution of exhibit-related Open Educational Resources based on scholarship in the history of science and collaborative engagement with educators.

- “[Galileo’s World Reprise Exhibit](#).” Collaborators: Brent Purkape, James Burnes, and David Davis. Now that the [Galileo’s World](#) exhibit year is over, the 350 original rare books on display at the different locations have been returned to the University’s special collections. A reprise of Galileo’s World remains available in Bizzell Memorial Library. It features a new gallery, The Sky at Night (reprise), designed for a general audience, which includes books that were on display at 3 different locations in the original Galileo’s World exhibit. It also features a new Rotating Gallery, designed to sample selections from the galleries originally hosted at other locations.

General Interests

As Curator of the History of Science Collections, my work focuses on expanding the holdings of rare materials to build on current strengths and to address emerging areas of research interest; on curating participatory exhibitions to engage the OU community and beyond and to increase the visibility of the history of science program; on facilitating digital initiatives of the Collections including the special collections digital library and Edition Open Sources (EOS); and on supporting exhibit-related educational outreach via the activities of the OU Academy of the Lynx.

The educational arm of the OU Academy of the Lynx is Lynx Open Ed. We seek to collaborate with educators in exhibit-based learning by creating, field-testing and sharing Open Educational Resources (OER’s). We invite researchers, graduate students, and others to join us as a participating educator, museum worker, amateur astronomer, student, scholar, sponsor or docent. Currently we are developing OER’s related to the Galileo’s World exhibition (2015-2018).

My research and creative activities in history of geology, science and religion, and visual representation are informed by the cultural history of the book so that, for example, I investigate Theories of the Earth as a contested print tradition. Theories of the Earth constituted a tradition of print publications addressing the nature and history of the Earth which thrived during the 17th and 18th centuries. Theories of the Earth reveal the varied contexts in which diverse historical sensibilities emerged regarding the Earth and cosmos - developments which have been referred to as the so-called “temporalization of the great chain of being,” or the transition “from natural history to the history of nature.” Publications in this multi-disciplinary tradition often proved controversial, in large part because an investigation of some aspect of the Earth from one scholarly perspective would quickly be countered by an alternative view representing a different disciplinary context, geographical region, or natural philosophical tradition. For this reason, Theories of the Earth offer historians an attractive opportunity to better understand the emergence of the historical sciences in relation to how disciplinary boundaries changed in the early modern period and how the modern scientific disciplines emerged in the 18th and 19th centuries.

Other interests include the history of science in science education, the history of natural theology, and implementation of digital academic workflows.

Education

2003 MLIS., School of Library and Information Science, University of Oklahoma
Thesis: “A Bibliography and Reference Analysis of Thomas Burnet, *The Theory of the Earth* (1684)”; <http://kvmagruder.net/pdf/Magruder-2003.pdf>

2000 Ph.D., History of Science, University of Oklahoma.

Dissertation: “Theories of the Earth from Descartes to Cuvier: Natural Order and Historical Contingency in a Contested Textual Tradition”

<http://kvmagrunder.net/pdf/Magrunder-2000.pdf>

1985 M.A., Science Education, Truman State University

1983 B.A., Biology, Truman State University

Academic Positions, Teaching

Most recent listed first.

Curator, History of Science Collections, University of Oklahoma Libraries, January 2009-present

The John H. and Drusa B. Cable Chair, Fall 2011 - present

Associate Professor of Bibliography, University of Oklahoma Libraries, Summer 2010 - present

Assistant Professor of Bibliography, University of Oklahoma Libraries, Fall 2004 - Summer 2010

Librarian, History of Science Collections, University of Oklahoma Libraries, 2004-2008

Acting Librarian, History of Science Collections, University of Oklahoma Libraries, 2000-2003

History of Science Department, University of Oklahoma, 2000-present (Assistant Professor of the History of Science, 2000-2009; Associate Professor of the History of Science, 2010-present)

- HSCI 3013, History of Science to Newton (online): Fall 04, Spr 05, Fall 05-08, Spr 2014.
- HSCI 5990, History of Science graduate seminar (team-taught), ongoing basis. Typically, every fall semester I teach two weeks' units, on History of the Book/Print Revolution, and Theories of the Earth/History of Geology.
- HSCI 5970: Research, Criticism and Analysis (historiographical seminar), Fall 2001.
- HSCI 3023: History of Science since the age of Newton, Summer 1998.
- HSCI 5550/6970: directed readings (history of geology, history of the book, history of science and science education), supervised internships, ongoing basis.
- HSCI 5550: History of the Book (Fall 2017, 3 hrs).
- HSCI 1113: Science, Nature and Society: Galileo's World (Fall 2017, 3 hrs).

Assistant Professor of Natural Sciences, Oklahoma Baptist University, 1994–1998.

- History of Science: 312, to Newton; and 313, after Newton.
- Natural Science (interdisciplinary, laboratory-based, historically-organized science courses for junior-level liberal arts students): US 311 (physical sciences); US 312 (life sciences); GNSC 320 Earth sciences; and Topics in Astronomy Education.
- OBU Science Education program, Director. Advising, supervising student teachers, teaching ED 398 Secondary Science Teaching Methods.
- OBU Planetarium, Director. Responsibilities included integrating planetarium shows across the liberal arts curriculum, supervising 10-12 student workers, maintenance and technical operation, program production, show presentations, and teaching GNSC 250 Planetarium Operations.



Professional Presentations

Most recent listed first.

Report on the T. F. Torrance Bibliography Project, invited presentation at the T. F. Torrance annual retreat, Firthush Centre, University of Edinburgh, Scotland, June 13, 2018.

“[The nature of the Christian University: Connecting the Circle of Subject Areas](#),” March 8, 2018, John Brown University, invited lecture for the JBU semi-annual “Christian Discourses in Science & Mathematics” series.

- Kerry Magruder and Brent Purkaple, “[Historic Star Atlas Stories](#),” invited presentation to kick-off the Postcards from the Universe series, Sam Noble Museum, January 25, 2018.
- Commentator and Chair, session on “Research Communities and Collections: Reconnecting the Profession in the Digital Age,” History of Science Society, Toronto, Ontario. (November 10, 2017).
- Kerry Magruder and Brent Purkaple, Report on the T. F. Torrance Bibliography Project, The T. F. Torrance Theological Fellowship annual meeting, held in conjunction with the American Academy of Religion annual conference, Boston, MA, November 17, 2017.
- Kerry Magruder and Brent Purkaple, “#GalileosWorld demonstrates the way @OU_Libraries is using @OUHOSCollection to transform the public domain,” a booth at the Domains 2017 conference, Oklahoma City, June 5, 2017. (Instead of typical presentations, this conference featured participatory booths.) <http://domains.reclaimhosting.com>
- “The Library and the Discipline in the Twenty-First Century: Exhibitions and Open Access,” History of Science Society, Atlanta, GA. (November 4, 2016).
- “The Making of a Historian of Women in Science: Marilyn Bailey Ogilvie, Curator and Mentor,” History of Science Society, Atlanta, GA. (November 4, 2016).
- “Tradition and Transformation in Galileo’s World,” Annual Conference, Association of Graduate Liberal Studies Programs (AGLSP), Oklahoma City. (October 20, 2016). Keynote/Plenary Address.
- “Exaptation and interdisciplinarity in the Galileo’s World exhibition,” Exaptive, Inc., Oklahoma City. (June 16, 2016).
- “Galileo’s World: Bringing Worlds Together,” Galileo’s World Symposium, OULibraries, Sam Noble Museum. (February 26, 2016).
- “Libraries as makers of OER: A Pilot Project,” with Brent Purkaple, OpenEd 2015 Annual Conference, Vancouver, B.C., 11/19/2015.
- “The Intersection of Science and Mathematics: Lessons from Galileo’s World,” invited keynote presentation for the School Science and Mathematics Association annual conference, Oklahoma City, OK, 10/29/2015.
- “How Galileo’s World Came to Be,” invited presentation for the Galileo’s World Opening Forum, National Weather Center, Norman, OK, 9/25/2015.
- “Galileo and the Jesuits: From Rome to Beijing,” invited presentation for the Okie-Tex Star Party, Black Mesa, OK, 9/26/2014.
- “The Edition Open Sources Platform of the OU History of Science Collections and Max Planck Institute for the History of Science,” related versions presented at the Midwest Junto for the History of Science, Truman State University, 4/5/2014; at the INHIGEO annual symposium at Asilomar, CA, 7/8/2014; and at the Digital HPS Annual Workshop, Poincaré Papers Project, Nancy, France, 9/2/2014.
- “The New Galileo Affair: Recent Forgeries,” University Libraries, Community Room (7/17/2014).
- “The Works of Johann Kepler: A Guided Tour,” OKC Astronomy Club (5/9/2014), invited.
- “The Theology of Isaac Newton,” Westminster Presbyterian Church, Oklahoma City, 4/4/2013.
- “The Works of Johann Kepler,” Okie-Tex Star Party, Black Mesa, OK, 10/3/2013, invited.
- “Boldly Explore: The History of Science in Science Education,” Oklahoma Science Teachers Association annual conference, UCO, 11/2/2013, keynote presentation, invited.
- “Islamic Science,” Schusterman Library, OU-Tulsa, Muslim Journeys exhibition series, 11/20/13, invited.
- “Early Microscopy and Galileo’s World,” invited keynote, Oklahoma Microscopy Society annual meeting, Oklahoma Academy of Sciences, University of Central Oklahoma, November, 2012.

- “iPads in the Classroom: Using iBooks Author to create interactive, multimedia semester projects,” presentation with Hunter Heyck, OU Teaching Scholars Initiative, 10/19/2012.
- “Global Visions: Depictions of Spaceship Earth before Apollo,” invited colloquium presentation, Departments of Meteorology and Earth Sciences, Texas Tech University, Lubbock, TX, April 27, 2012.
- “Progress report: The OU History of Science Collections Online Galleries,” NSF Digitization Workshop, Einstein Papers Project, Cal Tech, Pasadena, CA, 4/14-17/2011 (invited, attendance sponsored by NSF).
- “The University of Oklahoma Libraries’ Galileo and Darwin Collections,” OU College of Dentistry, honor banquet speaker, 4/9/2011.
- “The OU History of Science Collections Online Galleries,” NSF Digitization Workshop, Marine Biological Laboratory, Woods Hole, MA, 2/25-28/2010 (invited, attendance sponsored by NSF).
- “Online Images and Learning: Going Beyond Visual Aids”; invited presentation, History of Science Society annual conference, Phoenix, AZ, 11/20/2009.
- “The Works of Charles Darwin: A Guided Tour,” banquet presentation for the Bizzell Society, Oklahoma City, 4/30/2009.
- “Geology and Ancient Wisdom: The Enigma of John Whitehurst,” paper presented at the annual meeting of the Geological Society of America, Houston, Texas, 10/8/2008.
- “The Works of Galileo: A Guided Tour”
- Galileo Commemoration of the University of Arkansas, Fort Smith, 1/21/2010.
 - Okie-Tex national star party, sponsored by the Oklahoma City Astronomy Club, held near Black Mesa, Kenton, OK, 9/18/2009.
 - International Year of Astronomy lecture series sponsored by the Homer L. Dodge Department of Physics and Astronomy, held at Sam Noble Oklahoma Museum of Natural History, 1/21/2009.
 - NASA Research Center, Langley, VA, 7/8/2008
 - Virginia Air & Space Center, Hampton, VA, 7/8/2008
 - Michigan State University, invited colloquium sponsored by the Physics-Astronomy Department and the Lyman Briggs School of Science, 4/12/07.
 - New Mexico State University, Physics Department colloquium, February 24th, 2006.
 - Online version received Star Award of the Griffith Observatory (one of the oldest and largest US planetariums) in 2005 (Collections online exhibits were discontinued Fall 2010).
 - Truman State University, Physics Department colloquium, April 1, 2005.
 - University of Oklahoma Physics-Astronomy colloquium, February 19, 2004.
 - Fermilab National Accelerator colloquium, Chicago, February 4, 2004.
 - Florida State University, Physics Department colloquium, October 23, 2003.
- “Copernicus and his *Revolutions*: A Guided Tour”
- Galileo Commemoration of the University of Arkansas, Fort Smith, 1/21/2010.
 - Okie-Tex national star party, sponsored by the Oklahoma City Astronomy Club, held near Black Mesa, Kenton, OK, 9/17/2009.
 - Florida State University, invited colloquium sponsored by the Physics Department, 1/24/08.
 - Michigan State University, invited colloquium sponsored by the Physics-Astronomy Department and the Lyman Briggs School of Science, 4/11/07.
 - University of Oklahoma, Physics-Astronomy Department colloquium, 2/9/06.
- “The Shape of the Earth”
- Southern Nazarene University, Bethany, OK, invited public evening lecture, 4/28/08.

- “Biblical Idiom and Global Depictions in Theories of the Earth,” presented in Eichstätt, Germany, July 27 - Aug 5 2007 at the annual Symposium of INHIGEO.
- “Virtually There: Digitization and Pedagogy in the History of Science program,” with Melissa L. Rickman and Stephen Weldon, colloquium for the History of Science Department, September 29, 2006.
- “Kenneth L. Taylor: A Student Tribute,” 5/5/2006, one of four invited presentations at a public Symposium held in the University of Oklahoma Memorial Union sponsored by the History and History of Science Departments to honor retiring faculty David Levy and Kenneth L. Taylor by recognizing the impact of their scholarship upon their respective fields.
- “Galileo: Relationships between Science and Religion,” public presentation in the “Research Revolution: Science and the Shaping of Modern Life” discussion series, Oklahoma City Public Library, sponsored by the University of Central Oklahoma College of Mathematics and Science, Friends of the Library of UCO, and the Oklahoma City Metropolitan Library System, October 6, 2005.
- “Global Visions: Theories of the Earth and the Early Development of Visual Representations of the Earth,” INHIGEO Symposium on the History of Geophysics, Prague, July 5, 2005.
- “The *Sphaera* of Gabriele Beati and Jesuit Cosmology after Galileo,” invited banquet address for the annual conference of the Midwest Junto for the History of Science, held at Truman State University, Kirksville, Missouri, April 2 2005.
- “Lessons from the Aether: Developing and Teaching Online Courses,” with Laura Gibbs. OU History of Science Department colloquium, December 3, 2004.
- “Whole-Earth Thinking before Wegener: Global Sections and Views in Theories of the Earth.” OU Geology and Geophysics colloquium, October 21, 2004.
- NOVA, “Galileo's Battle for the Heavens,” aired on PBS October 2002. I provided the producers with images from books seen in this film. The first-listed institutional credit is to the History of Science Collections, University of Oklahoma Libraries, and the first-listed individual consultant credit is to myself.
- “The *Sphaera* of Gabriel Beati and 17th-century Jesuit cosmology,” OU History of Science Department colloquium, spring 2002.
- “Reassessing a Contested Textual Tradition: Jacques Roger and the Historiography of Theories of the Earth,” OU History of Science Department colloquium, spring 2002.
- “Theories of the Earth from the Printing Revolution to the Professionalization of Geology,” History of Science Collections book presentation, spring 2002.
- “The Prometheus Project of the OU History of Science Collections,” Workshop for Digitization in the History of Science, The Dibner Institute and MIT, March 2002.
- “Crossing Disciplinary Divides: Global Visions and Hexameral Idiom in Textual Traditions before Geology,” Geological Society of America annual meeting, Denver, Colorado, October 25-28, 1999.
- “Journey to the Center of the Earth (from Kircher to Verne),” Linda Hall Library, Kansas City, Missouri, January 8, 1998.
- “History of Science and the Planetarian,” Southwest Association of Planetariums (SWAP) conference, Austin, TX, in 1994.

Publications — Scholarly Public writing

Most recent listed first.

- Kerry V. Magruder and Brent Purkiple, *Galileo's World Exhibit Guide*, published by the University of Oklahoma Libraries, August 2015, 2016, and 2017. This Exhibit Guide is the most complete source of content for the *Galileo's World* exhibition, designed for educators, group leaders, classes, and individual study beyond the first walk-through. This Exhibit Guide interlinks all 20 galleries from 7 different locations of the *Galileo's World* exhibition, covering about 350 rare books. About 1,000 pages. Available free on the iBook Store (Mac and iOS platforms only) and online at lynx-open-ed.org/glance. See also the Learning Leaflets and other exhibit-related open educational resources (OER's) at lynx-open-ed.org.
- Articles on "Galileo Galilei," "John Buridan," and "The Star of Bethlehem" in the *Zondervan Dictionary of Christianity and Science* (2017). (Peer reviewed.)
- Kerry V. Magruder, *A Living Library: The Growth of the History of Science Collections after "Roller-Goodman," 1976-2012* (Summer/Fall 2012). This interactive iPad e-book describes more than 150 interesting items acquired since 1976. It is available for download from the Collections blog (<http://ouhos.org/2012/08/15/new-exhibit-a-living-library/>), from iTunes U (<https://itunes.apple.com/us/course/living-library-exhibition/id656745239>), and from the iBookstore (<https://itunes.apple.com/us/book/a-living-library/id684342640?mt=11>).
- Exhibit booklet: *Darwin@the Library*, published by the University of Oklahoma Libraries, June 2011 (enhanced iBook format, download at the iBookstore for Mac and iOS platforms).
- "This is NOT a Medieval Woodcut!," <http://kvmagruder.net/flatEarth/index.html>.
- "Theories of the Earth," with Kenneth L. Taylor, in *Europe 1450 to 1789: Encyclopedia of the Early Modern World*. New York: Charles Scribner's Sons, 2004. Vol. 2, pp. 222-226.
- "Geology," with Kenneth L. Taylor, in *Europe 1450 to 1789: Encyclopedia of the Early Modern World*. New York: Charles Scribner's Sons, 2004. Vol. 3, pp. 39-42.
- "The Lynx," newsletter of the University of Oklahoma Academy of the Lynx, a support organization for the History of Science Collections.
- No. 1, October, 2002.
- No. 2, November, 2005.
- "Copernicus and His *Revolutions*," a 77-minute DVD written and produced by Kerry Magruder for The OBU Planetarium in "The Cosmology and Cultures Project" (Oklahoma Baptist University and the American Council of Learned Societies, 2005), instruction manual at <http://www.kvmagruder.net/mov/Copernicus.pdf>; available as online video at <http://vimeo.com/28674594>.
- "The Shape of the Earth," a 47-minute DVD written and produced by Kerry Magruder for The OBU Planetarium in "The Cosmology and Cultures Project" (Oklahoma Baptist University and the American Council of Learned Societies, 2005), instruction manual at <http://www.kvmagruder.net/pdf/Shape.pdf>; available as online video at <http://vimeo.com/28673444>.
- "Stars over Ancient Babylon," a 47-minute DVD written and produced by Kerry Magruder for The OBU Planetarium in "The Cosmology and Cultures Project" (Oklahoma Baptist University and the American Council of Learned Societies, 2005), instruction manual at <http://www.kvmagruder.net/mov/Babylon.pdf>; available as online video at <http://vimeo.com/28674346>.

Publications — Specialist literature

Listed in chronological order.

Kerry V. Magruder, “Global Visions and the Establishment of Theories of the Earth,” *Centaurus* 2006, 48: 234-257.

Kerry V. Magruder, “Understanding a Contested Print Tradition: Bourguet’s Mosaic, Platonic and Aristotelian Theories of the Earth,” *The Compass: The Earth-Science Journal of Sigma Gamma Epsilon* 2008, 81: 9-25; part of a special issue on the history of geology edited by Daniel F. Merriam.

Kerry V. Magruder, “Thomas Burnet, Biblical Idiom, and 17th-Century Theories of the Earth,” in Jitse M. van der Meer and Scott Mandelbrote, eds., *Nature and Scripture in the Abrahamic Religions: Up to 1700*, Brill’s Series in Church History, no. 36 (Leiden: Brill, 2008), 2 vols., vol. 2, pp. 451-490.

Kerry V. Magruder, “The Idiom of a Six Day Creation and Global Depictions in Theories of the Earth,” in Martina Kölb-Ebert, ed., *Geology and Religion: Historical Views of an Intense Relationship between Harmony and Hostility*, Geological Society of London Special Publications, no. 310 (London: The Geological Society of London, 2009), 49-66.

Kerry V. Magruder, “Jesuit Science after Galileo: The Cosmology of Gabriele Beati,” *Centaurus* 2009, 51: 189-212.

Exhibitions, History of Science Collections

10/18/2009 – 1/18/2010: Kerry V. Magruder, Laurie J. Vitt, Curators. “Darwin @ the Museum.” A joint exhibition of the History of Science Collections, University of Oklahoma Libraries, and the Sam Noble Oklahoma Museum of Natural History, including first editions of every printed volume published by Charles Darwin displayed along with Museum artifacts and specimens.

2012 Exhibit booklet: The Living Library, the University of Oklahoma Libraries, published on ouhos.org on August 19, 2012. <http://ouhos.org/2012/08/19/ipad-exhibit-guide/> The content of this non-refereed exhibit guide is the result of a research project of equivalent effort as a published article. In addition, in its technical dimension, using the interactive iBooks Author format for deployment on iPads is also a work of innovative creative achievement.

8/2015-2016: Kerry V. Magruder, Exhibit Curator. “Galileo’s World: Bringing Worlds Together.” A joint exhibition of 350 rare books and other objects in 21 galleries in 7 locations celebrating the 125th anniversary of the University of Oklahoma. Galleries include the following in Bizzell Memorial Library (co-curators listed where appropriate): Music of the Spheres; Galileo, Engineer; Galileo and China; The Controversy over the Comets; The New Physics; The Galileo Affair. At the Sam Noble Museum of Natural History (co-curated by Tom Luczycki, Katrina Menard and James Burnes): Galileo, Natural History and the Americas; and Galileo and Microscopy. At the National Weather Center: Copernicus and Meteorology; Galileo and Kepler; Galileo and Experiment; Space Science after Galileo. At the Fred Jones Jr. Museum of Art (co-curated by Francesca Giani and Mark White): Galileo and the Telescope; The Moon and the Telescope; The Sky at Night. At the Athletic Department, Headington Hall: Galileo and Sports. At the Health Sciences Campus, Bird Library: Galileo and Anatomy; Galileo and Health Care. At the OU-Tulsa Campus, Schusterman Library: The Scientific Revolution. Additional partners in the Galileo’s World exhibition include the *Museo Galileo* in Florence (instrument replicas and animated tutorial

videos), as well as the OU College of Engineering (“Tower of Pisa” replica), the OU College of Fine Arts (production of Monteverdi’s *Orfeo*), and other academic programs. See galileo.ou.edu and the Exhibit Guide, Learning Leaflets and other exhibit-related open educational resources at oulynx.org.

2016-2017: Kerry V. Magruder and Brent Purkape, curators. “Galileo’s World: Reprise” exhibit. Galleries include the original Bizzell Library 5th floor galleries except for “Controversy on the Comets,” which was replaced by a new “Sky Tonight Reprise” gallery. The “New Physics” gallery was reconfigured to allow for rotating items. Materials were developed to aid self-guided tours. The Exhibit Guide was updated and mirrored on the Lynx-Open-Ed.org website for educational outreach, along with many exhibit-related Open Educational Resources (OERs).

Displays, History of Science Collections

- “Before Vesalius: Classical Texts, *Materia Medica*, Astrology, Art and Anatomy in Renaissance Medicine,” Fall 2001
- “Euclid of Alexandria, Megara, Gela, Damascus, Tyre, Baghdad, Maragha, Venice, Paris, London, Rome, Basel, and the Moon,” Spring 2002
- “Galileo and the Academy of the Lynx,” Fall 2002
- “A Geologist in His Den: William Buckland's lectures at Oxford in 1823,” Spring 2003
- “Meteorology: A Meeting Place of Many Disciplines,” Spring 2004
- “Questioning the Stony Ichthyolites: An Exhibit for the 2004 Joint Conference of the American Society of Ichthyologists and Herpetologists,” Summer 2004
- “Recent Acquisitions of the History of Science Collections,” Fall 2004
- “Insect Portraits,” Summer 2005
- “Copernicus and his Revolutions: In honor of Owen Gingerich,” September 2006
- Prepared exhibits for football home game days, Fall semesters of 2006 and 2008
 - “By the Hand of...; manuscripts in the History of Science Collections,” Summer
 - “Skeletons, Monsters, Witches and More: A Halloween Exhibit,” October
 - “Thanksgiving Dinner with all the fixin’s,” November
 - “Winter Holidays!” December
- “Women’s Contributions to the Scientific Enterprise,” with Marilyn Ogilvie, Spring 2007
- “Before the *Origin*: The Early Works of Charles Darwin,” Spring 2009
- Consultant for Huntington Library exhibition “Beautiful Science: Ideas that Changed the World”; onsite visit (6/11/08-6/13/08); with regular correspondence up through attendance at opening ceremony and banquet (10/31/08).
- “The Many Faces of the Moon,” Fall 2009, for IYA 09.
- Jens Rud Nielsen and the 20th Century Revolution in Physics: A Tribute to the OU Physics/Astronomy Centennial,” with JoAnn Palmeri, Fall 2010; numerous posts at ouhos.org.
- “Technology and the Early Printed Book,” with JoAnn Palmeri, Spring 2011; a tribute to the centennial of the OU College of Engineering; brochure at ouhos.org.
- “Winter Holidays,” December 2011; self-guided tour (pdf) at ouhos.org.

Member, Graduate Student Committees

In reverse chronological order.

————— Pending —————

Aja Tolman, PhD, History of Science (Committee Chair).
Joseph Lambert, PhD, Physics. General exam to be scheduled in 2018.
Renaë Wall, PhD, Astronomy, ABD (April 26, 2017, prospectus defense; December 1, 2017, general exams)
Jonathan Annis, PhD Fine Arts, ABD (October 31, 2017, general exams; Lecture recital 4/21/2017)
Younes Mahdavi, PhD History of Science, ABD (May 4, 2017, general exams)
Quentin Bidy, PhD Science Education, ABD (April 26, 2017, general exams)
James Burnes, PhD History of Science, ABD (March 30, 2017, general exams)
Evan Rich, PhD, Astronomy, ABD (February 28, 2017, general exams)
Brent Purkape, PhD History of Science, ABD (February 17, 2017, general exams)
Tiffany Neill, PhD Science Education, ABD (November 22, 2016, general exams)
Carolyn Scarce, PhD History of Science, ABD (Fall 2014, general exams)
Kraig Bartel, PhD, History of Science
Kirsti Gaither, PhD History of Science
Domonique Poncelet, MA, Education
Walid Shihabi, PhD Science Education, ABD
————— Completed —————
Aja Tolman, MA, History of Science, May 2018.
Margaret Gaida, PhD History of Science, May 2017
Harold Kihega, PhD Science Education, 2016
Carrie Miller-Deboer, PhD Science Education, Spring 2015 (co-chair 2011)
Brent Purkape, MA History of Science, May 2015
Quentin Bidy, MA Science Education, Fall 2014
James Burnes, MA History of Science, Summer 2014
Harold Kihega, MA Science Education, 2013
Jeffrey Crawford, PhD Physics, 2013
John Stewart, PhD History of Science, 2013
Henry Zepeda, PhD History of Science, 2013
Julie Grissom, PhD History of Science, 2013
Matt Stock, PhD Fine Arts, 2012
Kirsti Gaither, MA History of Science, 2012
Tony Yates, PhD Science Education, Fall 2011
Leslie John Flanagan, PhD Fine Arts, Spring 2011
Geary Crofford, PhD Science Education, Spring 2011
Melissa Rickman, PhD History of Science, Spring 2011 (co-chair)
Tom Hoyt, MA History of Science, 2011
Jason Brogden, MA History of Science, Spring 2010 (chair)
Jason Oakes, PhD Philosophy, Fall 2009
Russell Hunter, MA History of Science, Summer 2009
J Harvey, MA History of Science, Summer 2009
John Stewart, MA History of Science, Spring 2008
Julia Daine, MA Museum Studies, Spring 2008 (chair)
Rick Tison, PhD History of Science, Spring 2008
Dan Vincent, PhD Science Education, Spring 2006
Ryan Powell, MA History of Science, Fall 2004
Melissa Rickman, MA History of Science, Fall 2003

Kelly Lankford, PhD History, 2003
Darcy LeFevre, MA History of Science, 2002
Kathleen Tierney, MA History of Science, 2001

Honors, Grants, Awards

- Co-PI with Stephen Weldon (12/2013); requested \$351,844 from the Alfred P. Sloan Foundation for “Isis Development Platform.” 2014: Funded.
- The John H. and Drusa B. Cable Chair of the History of Science Collections, 9/26/2011.
- Election to membership in INHIGEO, the International Commission for the History of the Geosciences, Fall 2004 (one of 11 American members at time of election).
- Received \$3000 in Fall 2004 from the College of Arts and Sciences for a Proposal for Development of an Online Course (HSCI 3013).
- Received \$18,300 in Summer 2006 as Co-Principal Investigator, with Stephen Weldon, of a College of Arts and Sciences IT grant to digitize images useful for teaching. The budget funded a Graduate Assistant in the History of Science Collections (2006-07) under my supervision.

Service

University of Oklahoma Libraries

- 2004-2015: Facilitate the research of over 40 residential scholars who hold research privileges in the History of Science Collections.
- 2004-2015, 2017-present: Assist non-residential visiting scholars (including 5-10 Mellon Travel Fellows per year).
- 2004-present: Facilitate the History of Science Collections’ hosting of production of the History of Science Society’s annual *Isis Critical Bibliography* under the direction of Ass’t Prof. Stephen Weldon and three graduate assistants.
- 2013-2014: Member, Bizzell Library Master Planning Committee
- Member, OU Libraries search committees, 2013-2017: Chelsea Julian; David Davis; Sean Richards; Tara Carlisle; Melissa Rickman; Rick Luce; Bridget Burke.
- 2011-2012: Member, Dean of OU Libraries search committee
- 2011-2012: Chair, Western History Collections Librarian search committee
- Provide several dozen presentations per year to classes in the History of Science Collections and to off-campus classes and adult groups. On-site examples:
 - NASA Space Grant, Mission to Planet Earth, all-day educator workshop; September 9, 2017.
 - “Chat with the Curator: Art and Astronomy” Walking Tour, January 12, 2017.
 - Crosswalk Community Church, Oklahoma City; Bible collection, June 18, 2017.
 - Norman Area Home Educators; Galileo’s World, May 9, 2017.
 - Clear Spring School, Fort Smith, Arkansas, Galileo’s World, September 13, 2017.
- Off-site examples:
 - “Treasures of the History of Science Collections,” invited banquet speaker for the Friends of the Library, University of Science & Arts of Oklahoma in Chickasha, May 9, 2006;
 - “The Star of Bethlehem and the History of Science,” Genesis Class, Westminster Presbyterian Church, Oklahoma City (presented on three different occasions in 2009-2012).
 - “Treasures of the Bizzell Bible Collection,” invited banquet speaker for the Love County OU Alumni Club, Marietta, OK, April 19, 2012.

- “Treasures of Galileo’s World,” invited speaker for the Antiques Club, Full Circle Bookstore, Oklahoma City, OK, November 2, 2017.
- “Sky Tonight” traveling educational program for area libraries and schools, such as the Belle Isle Library, Oklahoma City Library, June 1, 2017, and the Shidler Elementary School, Oklahoma City, May 11, 2017, with Brent Purkaple.
- “Planet Narnia and the Music of the Spheres,” St. Thomas More University Parish, March 1, 2017.
- “The Galileo Affair,” St. Thomas More University Parish, April 12, 2017.
- Provide an average of several tours per week of the History of Science Collections to campus guests.
- Faculty sponsor, Sooner Mac User Group, 2005-2007.
- Member, Search Committee, Head of Special Collections, 2017.
- Member, Committee A, University Libraries, 2017-2018.

University of Oklahoma

- 2005-2006: Voting member, History of Science Department faculty search committee; Jamil Ragep, chair.
- 2006-2007: Voting member, History of Science Department faculty search committee; Steven J. Livesey, chair. Filled three faculty positions for the History of Science Department.
- Spring 2006: Member, Graduate College Dissertation Awards Committee to select the outstanding humanities doctoral dissertation of 2005; chaired by Diana Beal.
- Spring and Summer 2006: Member, Renaissance Project planning committee for the 2006-2007 “Science, Technology and Ethics” campus-wide emphasis, chaired by Robert Con Davis-Undiano.
- 2007-2008: Darwin 2009 Project planning committee; organizing member and co-chair.
- 2007-2011: Chair, Organizational Support Committee, History of Science Department.
- 2008-2009: Member, Committee A, History of Science Department.
- Spring 2008: Member, Graduate College Dissertation Awards Committee to select the outstanding humanities doctoral dissertation of 2007; chaired by Janis Paul.
- 2010-2011: Voting member, Faculty Search Committee for Astronomy (position filled)
- 2011-2012: Voting member, Faculty Search Committee for Astronomy (position filled)
- 2012: Committee A member, History of Science Department
- 2013-2015: Committee A member, History of Science Department
- 2017: Member, History of Science Department / Collections Task Force and Advisory Board

Professional

- 2011-2012: E-Publications Officer, History of the Earth Sciences Society (HESS).
- 2008-2009: Secretary, History of the Earth Sciences Society (HESS).
- 2006-2007: Program Officer, History of the Earth Sciences Society (HESS).
Organized and moderated a session on “Government and the Earth Sciences” at the HSS annual convention in Washington, D.C., November 1-4, 2007. The session was sponsored by HESS. Acceptance of sessions was competitive; the session was approved by HSS in May 2007.
- 10/14/2014 and 10/13/2015: Women in Science K12 conference, Mabee Center, Tulsa, OK (10/14), invited; prepared & distributed materials.
- 2011-2015: Member, Advisory Board, World History of Science Online (WHSO).

- 2014-present: Editor, with Stephen Weldon and Matteo Valleriani, Edition Open Sources (University of Oklahoma and Max Planck Institute for the History of Science).
 - March 20, 2018: Francesco Luzzini, [Theory, Practice, and Nature In-between: Antonio Vallisneri's Primi Itineris Specimen](#), EOS vol. 9; [foreword by Kerry Magruder](#).
- 2017-present: Webmaster, T. F. Torrance Theological Fellowship (tftorrance.org).
- 2007-present: International Commission for History of the Geosciences (INHIGEO, 1 of 11 elected members from USA at time of election; the 11-member limit was removed in 2011).